



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 2] नई दिल्ली, शनिवार, जनवरी 8, 1994 (पौष 18, 1915)  
No. 2] NEW DELHI, SATURDAY, JANUARY 8, 1994 (PAUSA 18, 1915)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

### THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 08th January 1994

#### ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial Jurisdiction on a zonal basis as shown below :—

Patent Office Branch,  
Todi Estates, III Floor,  
Lower Parel (West), Bombay-400 013.

The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,  
Unit No. 401 to 405, III Floor,  
Municipal Market Building,  
Saraswati Marg, Karol Bagh,  
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

1—407 GI/93

Patent Office Branch  
61, Wallajah Road,  
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),  
"NIZAM PALACE", 2nd M.S.O Building,  
5th, 6th and 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patent Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

**Fees :—**The fees may either be paid in cash or may be sent by Money Order or payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

## पेटेंट कार्यालय

एकस्य तथा अधिकस्य

कलकत्ता, दिनांक 8 जनवरी 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं —

पेटेंट कार्यालय शाखा, टोली इस्टेट,  
तीसरा तल, लोअर परबल (पश्चिम),  
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा  
दीव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
एकल में 401 से 405, तीसरा तल,  
नगर पालिका बाजार भवन,  
सम्पत्ती मार्ग, कराल बाग,  
नई दिल्ली-110005 ।

दिल्ली, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,

61, बालाजाह रोड,

मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिनिक्काय तथा एमिनिदिनि द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैल्स, द्वितीय बहुतलीय कार्यालय,  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंटोफिस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में बर्णित सभी आवेदन-पत्र, सूचनाएँ, श्रवण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की जमायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा बैंक आदेश या वहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुमति प्राप्त बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा सकती है ।

Calcutta-700 020, the 17th December 1993

## LIST OF HOLIDAYS FOR THE YEAR—1994

The following days have been declared as Holidays to be observed by the Patent Office, Calcutta during the year 1994 :

Sl. No.	Holidays & Connected Festivals	Month & Date	Days of the Week
1.	Republic Day	January, 26	Wednesday
2.	Sri Panchami/Vasant Panchami	February, 15	Tuesday
3.	Idul Fitr.	March, 14	Monday
4.	Good Friday	April, 1	Friday
5.	Vaisakhadi (Bengali)	April, 15	Friday
6.	Mahavir Jayanti	April 24	Sunday
7.	Idul Zuha (Bakrid)	May, 22	Sunday
8.	Buddha Purnima	May, 25	Wednesday
9.	Muharram	June, 20	Monday
10.	Independence Day	August, 15	Monday
11.	Milad-un-Nabi or Id-e-Milad (Birthday of Prophet Mohammad)	August, 20	Saturday
12.	Mahatma Gandhi's Birthday	October, 2	Sunday
13.	Dussehra	October, 13	Thursday
14.	Addl. Day for Dussehra	October, 14	Friday
15.	Diwali	November, 3	Thursday
16.	Guru Nanak's Birthday	November, 18	Friday
17.	Christmas Day	December, 25	Sunday

K.M. RAO,  
Jt. Controller of Patents & Designs

Deletion of the following names from the register of Patent Agents under rule 101(d) of the Patents Rules, 1972.

1. Rama Vasudeva Pai  
Flat No. 4,  
No. 24, 1st Cross Street,  
Kilpauk Garden Colony,  
Madras-600010.
2. Pratap Singh  
House No. A-31/3, R.D.S.O. Colony,  
Manak Nagai,  
Lucknow, U.P.
3. Sachidananda Mishra  
B-11, Manak Complex,  
Station Road,  
Aurangabad-431001,  
Maharashtra.
4. Nona Singh  
E-18, Saket,  
New Delhi-110017.
5. Sarla Redheshyam Gupta  
Modi Line No. 3,  
Sitabuldi, Nagpur.
6. Benaifer Raiyomand Aspandiar  
Queens Chambers,  
Queens Road,  
Bombay-400020.
7. Balakrishnan Lakshminarayanan,  
No. 35, Nagathamman Koil Street,  
Madras-600033.
8. R. Daiveekan  
220/25, Third Main Road,  
Vyalikaval,  
Bangalore-560003.
9. T. P. Rajendra Kumar Sungay,  
No. 9, Chikkanna Garden,  
Shaukerpuram,  
Bangalore-560004, Karnataka.
10. Jacob Kurian  
2, Wallace Garden,  
First Street,  
Madras-600006.
11. Rameshchandra Kantilal Shah  
Kantikunj, Punita Park Society,  
Bhudarpura, Ahbawadi,  
Ahmedabad 6.

**APPLICATION FOR PATENT FILED AT THE HEAD  
OFFICE AT 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20.**

The dates shown in the crescent branch are the dates claimed under section 135, of the Patents Act, 1970.

15th November 1993

- 694/Cal/93. Great Lakes Chemical Corporation. Flame retardant rominated styrene graft latex compositions.
- 695/Cal/93. Johnson & Johnson Consumer products, Inc. Extrudable compositions for topical or transdermal drug delivery.
- 696 Cal/93. Shaw Industries Ltd. Pipe wrapping apparatus & method. (Convention No. 2107255; dated 29-9-93 Canada).
- 697/Cal/93. Vetrotex France. Process and device for making up a composite thread.

16th November 1993

- 698/Cal/93. Johnson & Johnson Medical, Inc. Wound Dressing. (Convention No. 9224592.7; filed on 23-11-92; U.K.).
- 699/Cal/93. Elmotec GmbH. Procedure and device for the manufacture a wave winding.

700/Cal/93. Allflex New Zealand Limited. A carrier for an electronic identification device.

701/Cal/93. Chow Pak Lim. Paper Pallet.

17th November 1993

702/Cal/93. Grumman Aerospace Corporation. Self-contained cooler/Freezer apparatus.

703/Cal/93. Anutech Pty. Ltd. Dish antenna structures and hydraulic control of the orientation thereof. (Convention No. PL 5900/92; PL 5901/92; dated 17-11-1992; Australia).

704/Cal 93. Caviju S.I. Polisher machine.

18th November 1993

705/Cal/93. Hoechst Celanese corporation. Process for preparing pyridinecarboxylic acid derivatives. [Divided out of No. 652/Cal/90; antdated to 01-08-90].

706 Cal 93. Stopine Aktiengesellschaft. Slide gate Nozzle including sequentially replaceable refractory sliding plates and refractory plate assembly employable therein.

19th November 1993

707 Cal/93. Santrade Ltd. Device for producing granulate.

708/Cal/93. Santrade Ltd. Device for issuing free-flowing compounds as strips or drops.

709/Cal/93. Hoechst Aktiengesellschaft. Di C3-(2-chloroethyl-sulfonyl)-1-propyl amine hydrochloride and a process for its preparation.

22nd November 1993

710/Cal/93. Rhone-Poulenc Chimie. Synthesis route to deactivated anilines.

711/Cal/93. Torf Establishment. Process for the manufacture of a preparation having immunomodulating activity and simulating cartking formation by extracting plants and plant residues.

712/Cal/93. Siemens Aktiengesellschaft. Method for creating the application-dependent logic of a freely programmable sequential switching circuit and device for carrying out the method.

713/Cal/93. Bull S A, A French Company. System of units distributed in a network.

23rd November 1993

714/Cal 93. Trico Limited. Airfoil for a windscreen wiper blade. (Convention No. 92 24679.2 dated 25-11-92 in U.K.).

715/Cal/93. ABB Henschel Waggon Union GmbH. Block brake for rail vehicles.

716/Cal/93. Hydra Tools International Plc. Mineral cutter tooling system. (Convention No. 9225408.5 filed on 4-12-92 in Great Britain.)

717/Cal/93. Patent-trenhand-gesellschaft F. Elektrische Gluehlampen Mbh. Low-pressure discharge lamp and method of its manufacture. (Convention No. 93116008.9 filed on 4-10-93 in Great Britain (EPO designated)).

718/Cal/93. Great Lakes Chemical Corporation. Fireretardant polyolefin fibers and fabrics.

719/Cal/93. Innotech, INC. A method of manufacturing toric single vision, spherical or aspheric bifocal, multifocal or progressive contact lenses.

720/Cal/93. J. B. Hunt Corp. Apparatus and method for transporting automobiles in an enclosed semi-trailer.

24th November 1993

721/Cal/93. Spherilene S.r.l., (Components and catalysts for the polymerization of olefins).

722/Cal/93. Metallgesellschaft Aktiengesellschaft. Tubular heater for preparing carbon monoxide-containing gas mixtures.

723/Cal/93. Deutsche Voest-Alpine Industrieanlagenbau GmbH. Direct current arc furnace and method for its operation.

724/Cal/93. Thomson Consumer Electronics, Inc. Low voltage detection circuit for use in a remote control unit.

725/Cal/93. Johnson Electric S.A. Brush Leaf means. (Convention No. 9224715-4; dated 25/11/92; Britain).

726/Cal/93. Toranaga Technologies, Inc. Composite substrates for preparation of printed circuits.

APPLICATIONS FOR PATENTS FILED AT THE  
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,  
MADRAS-600 002

25th October 1993

758MAS/93. T. V. Jagdeesan, L.P.C. (Cooking Gas) Cylinder Gauge.

759/MAS/93. BIC Corporation. Selectively actuatable lighter.

760/MAS/93. BIC Corporation. Selectively actuatable lighter.

761/MAS/93. BIC Corporation. Selectively actuatable lighter.

762/MAS/93. BIC Corporation. Selectively actuatable lighter.

26th October 1993

763/MAS 93. Hanford N. Lockwood, Jr. Hypodermic needle safety device with sliding outer cover.

764/MAS/93. Institut Francais Du Petrole. Process for the production of phenylalkanes using a catalyst based on modified zeolite.

765/MAS 93. Philip Morris Products Inc., Process for adjusting the moisture content of organic materials.

27th October 1993

766/MAS/93. Enzyme Bio-Systems Ltd. A process for the non-random cleavage of starch and the low D.E. starch conversion products produced thereby.

767/MAS 93. The Dow Chemical Company. Process for converting 1, 2-dichloropropane to propylene.

768/Mas/93. The Dow Chemical Company. Process for converting chlorinated hydrocarbons and waste products to useful materials.

28th October 1993

769/MAS/93. Amisted Industries Incorporated. Slackless coupler connection for controlled buff/draft.

770/MAS, 93. The Boots Company plc. Therapeutic agents. (November 9, 1992).

29th October 1993

771/MAS, 93. Davy McKEE (London) Limited. Process.

772/MAS/93. William E. Kirkey and Kyle S. Morris. An audiovisual work writing thereon; Method of associating oral utterances with writings seriatim in the audiovisual work and apparatus for linear and interactive application.

773/MAS, 93. Kinergy Corporation. An improved bin defining central vertical axis. (April 25, 1990; Canada). (Divisional to Patent Application No. 442/MAS/90; Ante-dated to June 5, 1990).

APPLICATION FOR THE PATENT FILED AT THE  
PATENT OFFICE BRANCH, MUNICIPAL MARKET  
BUILDING, THIRD FLOOR, KAROL BAGH,  
NEW DELHI-110005.

19th July 1993

746/DEL/93. Council of Scientific & Industrial Research, "An improved footwear useful as an Orthosis."

747/DEL/93. Council of Scientific and Industrial Research, "A device useful for maintaining isothermal conditions of a fixed bed catalytic reactor."

748/DEL/93. Council of Scientific and Industrial Research, "A process for the preparation of modified strain of *saccharomyces cerevisiae*."

749/DEL/93. Council of Scientific and Industrial Research, "An improved process for the production of ethanol from molasses or other fermentable sugars."

750/DEL/93. Rohm and Haas Company, "2-Arylpyrimidines and method for the preparation thereof."

20th July 1993

751/DEL/93. Dr. Zdzislaw Fiutowski and Dr. Leszek Fiutowski, "Pharmaceutical composition having antiviral and antibacterial activity and method of administration."

752/DEL, 93. National Research Development Corporation, "A Product."

753/DEL/93. National Research Development Corporation, "A Product."

754/DEL, 93. Rohm and Haas Company, "Compositions containing acetoacetate functional polymer and polyformal."

755/DEL/93. Rohm and Haas Company, "Method for light-assisted curing of coatings."

756/DEL/93. Rohm and Haas Company, "Process of preparing large dimension emulsion polymer particles, polymer product and uses thereof."

757/DEL/93. Rohm and Haas Company, "Preparation of Edible Neem Oil."

758/DEL/93. Rohm and Haas Company, "Stable Extracts from Neem Seeds."

759/DEL, 93. Rohm and Haas Company, Preparation of Neem Seed Extracts."

21st July 1993

760/DEL 93. Eride Rossato, "Motor Vehicle Parking installation."

761/DEL/93. Court Aulds Plc., "Tanks and storage of Liquids therein." (Convention date 22-7-92, U.K.).

762/DEL/93. Technology Finance Corporation (Proprietary) Limited, "A Modular Furniture Unit."

763/DEL, 93. Colgate-Palmolive Company, "Viscoelastic personal care composition."

22nd July 1993

764/DEL, 93. Reichle 4 De-Massari Ag, "Printed Circuit Board."

765/DEL/93. The Procter & Gamble Company, "Sanitary Napkin comprising an absorbent core having a density gradient." (Convention date 27th July, 1992).—U.K.

765/DEL/93. The Procter & Gamble Company, "Sanitary Control of Fertility in a male employing plant extracts."

767/DEL/93. The Lubrizol Corporation, "Sulfurized Over-based Composition."

768/DEL/93. National Institute of Immunology, "A Process for the Extraction of Active anti-Fertility Components of Neem."

769/DEL/93. Mintek, "The Production of High Titania Slag from Ilmenite."

770 DEL/93. Rohm and Haas Company, "Curable Aqueous Composition and use as Fiberglass Nonwoven Binder."

23rd July 1993

771/DEL/93. G. S. Jain & Associates Pvt. Ltd., "A Device for Drilling or Boring of Bores."

772/DEL/93. Khurshid Ahmad, "Mesh Skin Grafts."

773/DEL/93. Inject Development Limited, "Syringe."

The 26th July 1993

774/Del/93. Council of Scientific and Industrial Research, "an improved device useful for precise control of Tip to Sample gap in a scanning tunneling microscope."

775/Del/93. Council of Scientific and Industrial Research, "an improved process for the preparation of  $\alpha$ -halo ketones."

776/Del/93. The Procter & Gamble Company, "Detergent Compositions." (Convention date 1st August, 92)-U.K.

777/Del/93. The Procter & Gamble Company, "Detergent Compositions." (Convention date 1st August, 92)-U.K.

778/Del/93. The Procter & Gamble Company, "Stabilized Bleaching Compositions." (Convention date 1st August, 92)-U.K.

779/Del 93. Magnus Coatings SDN BHD, "Coating Compositions."

780/Del/93. Fosbel International Ltd., "Surface treatment of refractories" (Convention date 31st July, 92.)-U.K.

781/Del/93. Comptoir-Lyon-Alemant-Louyot, "Threads comprising a helical element, assemblies thereof and the use of said assemblies as catalyst and/or for recovering precious metals."

The 27th July 1993

782/Del/93. General Electric Company, "Embrittlement resistant stainless steel alloy."

783/Del/93. The Lubrizol Corporation, "Corrosion inhibition Composition."

784/Del/93. Handy Chemicals Limited, "Polymeric Aluminum Silicate-Sulphate and process for producing same."

785/Del/93. Morgan Construction Company, "Combination Cobble cover and guide trough for rolling Mill."

786/Del/93. Motorola Inc., "Pivotable Display Head for an Electronic Device."

The 29th July 1993

787/Del/93. The Procter & Gamble Company, "Peroxyacid Bleach Precursor Compositions." (Convention date 1st August, 92 & 22nd December 92)-U.K.

788/Del/93. The Procter & Gamble Company, "Coated Peroxyacid Bleach Precursor Compositions." (Convention date 22nd December, 92)-U.K.

789/Del/93. The Procter & Gamble, "Low Gelling Detergent composition and a process for making such compositions." (Convention date 1st August, & 22nd December, 92)-U.K.

The 29th July 1993

790/Del/93. The Procter & Gamble Company, "Particulate Laundry Detergent compositions with polyvinyl pyrrolidone."

791/Del/93. The Procter & Gamble Company, "Use of modified polyesters for the removal of grease of Fabrics." (Convention date 31st July, 92, 8th July, 92)-U.K.

792/Del/93. Nye Trays Inc., "Improved Distillation Tray/Downcomer."

793/Del/93. Basuch & Lomb Incorporated, "Process for making silicone containing hydrogel lenses."

794/Del/93. Basuch & Lomb Incorporated, "Method of shaping Laser Beam."

795/Del/93. Bausch & Lomb Incorporated, "Method of making plastic moulds."

796/Del/93. Langerbe In-Scharf GMBH & Co. KG., "Barrel support for use in underground Mining and Tunnel construction."

The 30th July 1993

797/Del/93. Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, "Method for producing the Foam."

798/Del/93. Press Industria S.P.A., "Process to produce Citric Acid by fermentation with a mutant strain of *Yarrowia Lipolytica*."

799/Del/93. International Business Machines Corporation, "Desktop Computer system having multi-level power management."

800/Del/93. Whirlpool Corporation, "Dual Evaporator Refrigeration with sequential compressor operation."

801/Del/93. Whirlpool Corporation, "Multi-temperature evaporator refrigerator system with variable speed compressor."

802/Del/93. Motorola Inc., "Data transfer method and apparatus having dual frequency operation."

803/Del/93. Zeneca Limited, "Chlorination process." (Convention date 03-8-92-U.K.).

804/Del/93. Nye Trays Inc., "Improved Distillation Tray/Downcomer."

The 2nd August 1993

805/Del/93. General Electric Company, "Thermal Barrier Coating Process".

806/Del/93. The Chief Controller, Research & Development, Ministry of Defence, Government of India, New Delhi (India), "A Process of Gas Pressure Super Plastic forming of Hemispherical Shapes".

807/Del/93. Shriram Institute for Industrial Research, "A Pressure Sensitive Adhesive Composition".

808/Del/93. Shriram Institute for Industrial Research, "A Pressure Sensitive Adhesive Composition".

809/Del/93. Shriram Institute for Industrial Research, "A Paper Leaf having a Pressure Sensitive Adhesive Composition Thereon".

810/Del/93. The Chief Controller, Research & Development, Ministry of Defence, Government of India, New Delhi (India), "A Thermomechanical Treatment of Alloys".

811/Del/93. Industrie Meccanotessili Marzoli S.r.l., "A Stop Device for The Spindles of a Textile Spinning Machine".

812/Del/93. Norsk Hydro a.s., "Fertilizer Composition comprising Dispersions or Solutions of Nutrient Compounds".

## The 3rd August 1993

- 813/Del/93. Bergwerksverband GMBH, "Method of Adjusting the Gas Pressure in a Coke Oven Cell".
- 814/Del/93. The Goodyear Tyre & Rubber Company, "Apparatus and Method for marking a Rubber Article with a message readable by A Light Scanning Device".
- 815/Del/93. The Goodyear Tyre & Rubber Company, "A Pneumatic Agricultural Tyre".
- 816/Del/93. Horwa Machinery Ltd., "A Top Comb Driving Mechanism for regulating the combing operation of the combing heads of a combing machine".
- 817/Del/93. Ingersoll-Rand Company, "Self Positioning Dust Seal Holder".

## The 4th August 1993

- 818/Del/93. The Procter & Gamble Company, "Detergent Additives". (Convention date 13th August, 92)-U.K.
- 819/Del/93. Colgate-Palmolive Company, "Structured Silicates and their use in Automatic Dishwashers".
- 820/Del/93. Colgate-Palmolive Company, "Automatic Dishwashing Detergent Containing an Organic Compound having at least one hydroxyl group".
- 821/Del/93. Colgate-Palmolive Company, "Cleaning Composition".
- 822/Del/93. The Whitaker Corporation, "Module for Telephone Line Conductor Pair having single Protector Unit".

## The 5th August 1993

- 823/Del/93. Council of Scientific and Industrial Research, "A Process for the preparation of 1-aryl-1, 2, 3, 4-tetrahydro-9H-pyrido (3, 4-b) indole-3-carboxylic acids useful as intermediates for the preparation of antifilarials".
- 824/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of 1-aryl-9H-pyrido (3, 4-b) indoles useful as intermediates for the preparation of compounds having antifilarial activity".
- 825/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of 1-aryl-6-18-nitro-9H-pyrido (3, 4-b) indoles useful as antifilarials".
- 826/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of 6-/8-amino-1-aryl-9H-pyrido (3, 4-b) indoles useful as antifilarials".
- 827/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of 1-aryl-6-/8-substituted-9H-pyrido (3, 4-b) indoles useful as antifilarials".
- 828/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of 1-(acetamido-phenyl)-9H-pyrido (3, 4-b) indoles useful as filaricidal agents".
- 829/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of 1-(N-carbethoxyamino phenyl)-9H-pyrido (3, 4-b) indoles useful as filaricidal agents".
- 830/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of 1-(N-ethyl thioureido phenyl)-9H-pyrido (3, 4-b) indoles useful as filaricidal agents".
- 831/Del/93. Imperial Chemical Industries Plc., "Composition and Use". (Convention date 7th August, 92)-U.K.

832/Del/93. Imperial Chemical Industries Plc., "Ammonium Organophosphorus Acid Salts". (Convention date 7th August, 92)-U.K.

833/Del/93. E Khashoggi Industries, "Hydraulically Settable Containers and other Articles, for Storing, Dispensing, and Packaging Food and Beverages and methods for their manufacture".

834/Del/93. General Tyre, Inc., "Tyre Tread Compositions of Isoprenestyrene/Butadiene Emulsion Polymers with 1, 4 CIS-polyisoprene Rubber".

835/Del/93. Automatic Switch Company, "Proportional Flow Valve".

## The 6th August 1993

836/Del/93. Deteccon Deutsche Telepost Consulting GMBH, "Method for the improvement of the Radio supply of a Traffic Route structure by A Cellular mobile radio system and apparatus for carrying out the method".

837/Del/93. King Format Limited, "Air/Fuel Mixer for Internal Combustion Engines".

838/Del/93. King Format Limited, "Vapourizer Apparatus".

839/Del/93. Matsushita Electric Works Ltd., "Polarized Relay".

## The 10th August 1993

840/Del/93. General Electric Company, "Tertiary Fuel Injection system for use in a Dry Low Nox Combustion System".

841/Del/93. General Electric Company, "Mounting arrangement for a single shaft combined cycle system".

842/Del/93. General Electric Company, "Method for utilizing liquified natural gas as a heat sink for a gas turbine inlet chiller".

843/Del/93. General Electric Company, "Method of effecting start-up of a cold steam turbine in a combined cycle plant".

844/Del/93. General Electric Company, "Fuel Trim system for a Multiple Chamber Gas Turbine Combustion System".

845/Del/93. General Electric Company, "Steam Transfer Arrangement for Turbine Bucket Cooling".

846/Del/93. General Electric Company, "Steam and Air Cooling for Stator Stage of a Turbine".

847/Del/93. General Electric Company, "Closed-Circuit Steam-Cooled Bucket with Integrally Cooled Shroud for Gas Turbines and Methods of Steam-Cooling the Buckets and Shrouds".

848/Del/93. International Business Machines Corporation, "Trusted Personal Computer System with Identification".

849/Del/93. International Business Machines Corporation, "Personal Computer with Programmable Threshold Fifo Registers or Data Transfer".

850/Del/93. International Business Machines Corporation, "Thin Film Transistor and Active Matrix Liquid Crystal Display Device".

851/Del/93. The Procter & Gamble Company, "Liquid Detergents Containing a Peptide Aldehyde". (Convention date 14th August, 92)-U.K.

852/Del/93. The Procter & Gamble Company, "Liquid Detergents. Containing a Peptide Trifluoromethyl Ketone". (Convention date 14th August, 92)-U.K.

853/Del/93. The Procter & Gamble Company, "Liquid Detergents Containing an Alpha-Amino Boronic Acid". (Convention date 14th August, 92)-U.K.

854/Del/93. The Procter & Gamble Company, "Refastenable Adhesive Fastening Systems for Individually Packaged Disposable Absorbent Articles".

855/Del/93 Exxon Chemical Patents, Inc., "Impact Modification of Polyamides".

856/Del/93. Zeneca Limited, "Chemical Process". (Convention date 20th August 92)-U.K.

857/Del/93. Advanced Mining Software Limited, "Location System".

858/Del/93 CSIR "Cellular Communication System"

The 1st August 1993

859/Del/93. ICI Americas Inc., "Moldable Filled Polyester Resin Composition".

860/Del/93 Terrence Jeffrey Corbishley, "Improvements in Marine and Submarine Apparatus". (Convention date 12th August, 1992, 12th August, 1992 and 6th October, 1992)-U.K.

861/Del/93 Council of Scientific & Industrial Research, "An Improved Process for the preparation of Poly (Arylester-carbonate)s".

862/Del/93 Council of Scientific & Industrial Research, "An Improved Process for the Preparation of Poly (Arylestercarbonate)s".

863/Del/93. Satya Prakash Dutt, "Device for Shining Shoes".

The 12th August 1993

864/Del/93. Sarvagshi Rakesh K, Sehgal and Sanjay Tapriya, "Automatic Dehydrator".

865/Del/93. The Thermos Company, "Barbecue Grill".

866/Del/93. Prime Actuator Control Systems Limited, "Actuator".

867/Del/93. Mintek, "The Production of Stainless Steel".

868/Del/93 Ferodo Cernarfon Limited, "Friction Elements". (Convention date 12th August, 1992)-U.K.

The 13th August 1993

869/Del/93. Advanced Microdevices Pvt Ltd, "An Apparatus for Conducting Ligand Receptor Assays to Determine the Presence or Concentration of a Target Ligand in a Sample and Process to Determine the Presence or concentration of a target Ligand in a Sample".

870/Del/93. Aktiebolaget Astra, "Novel Amidoalkyl-and Imidoalkyl-Piperazines".

871/Del/93 Charles Kepler Brown, JR., "Quarry Pulverizer".

872/Del/93. Charles Kepler Brown, JR., "Coal Pulverizer, Purifier Classifier".

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

#### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार(4) महीने या अंतिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकलव्य की उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

स्वाकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार, जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सूनिश्चित करने के उपरांत उसकी उपायों पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख वाग्राजो की जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिचयन दिया जा सकता है।

Ind. Cl. : 32-E (GROUP—IX(1))

172931

Int. Cl. : C 08 K 3/38.

#### A BINDER COMPOSITION

Applicant. FOSECO INTERNATIONAL LIMITED, A BRITISH COMPANY, OF 285 LONG ACRE, NECHILLS, BIRMINGHAM, B7 5JR, ENGLAND.

#### Inventors :

- (1) SIDNEY ALAN BARKER.
- (2) NEIL BAGGETT.
- (3) JOHN STEVENSON
- (4) RAYMOND DOUGLAS GEORGE.
- (5) DAVID ROBERT DE COURCY.
- (6) TIMOTHY HAMMOND.
- (7) MARTIN BRADLEY.

Application No. 873/Mas/88 filed December 7, 1988.

Convention date: December, 24, 1987;

(No. 8730159; Great Britain)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 15 Claims

A binder composition comprising an alkaline solution of a resol phenol-aldehyde resin and an oxyanion capable of forming a stable complex with the resin, and optionally a silane wherein the amount of alkali present in the solution is sufficient to solubilise the resin and to substantially prevent stable complex formation between the resin and the oxyanion, and the amount of oxyanion present is sufficient to cure the resin when stable complex formation is permitted to take place.

(Compl. Specn. 43 pages;

Digs. 2 sheets)

Ind. Cl. : 33-C [GROUP—XXXIII(3)] 172932

Int. Cl.<sup>4</sup> : B 22 C 1/22;  
C 08 K 3/40.

# A METHOD FOR PRODUCING FREE-FLOWING GRANULAR FOUNDRY SAND.

Applicant : ACME RESIN CORPORATION, INCORPORATED IN THE STATE OF DELAWARE, OF 10330 W ROOSEVELT ROAD, WESTCHESTER, ILLINOIS 60153, U.S.A.

Inventor : SUBRAMANYAM RAJA IYER.

Application No. 899/Mas/88 filed December 19, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 12 Claims (No drawing)

A method for producing free-flowing granular foundry sand suitable for making resin-bonded shaped article with an ester curable alkaline phenolic resin binder, having an improved tensile strength comprising separating free flowing granular foundry sand from alkaline phenolic resin bonded shaped article in a known manner, optionally mixing the said separated sand with fresh free-flowing sand and contacting with a silane solution such as herein described to obtain silane treated free flowing granular foundry sand having a silane content of at least 0.00025% by weight based on the total weight of the sand.

(Compl. Specn. 64 pages)

Ind. Cl. : 144 E 6 [XII(3)] 172933

Int. Cl.<sup>4</sup> : C 09 C 3/00.

# A PROCESS OF PREPARING A MACREOUS PIGMENT.

Applicants : KEMIRA OY, A FINNISH BODY CORPORATE DOMICILED IN HELSINKI, FINLAND, OF PL. 44, SF-02271 ESPOO, FINLAND.

Inventors :

TAINA MARIA KORPI.

SEPPO JAAKKO OSAKARI HYTTINEN.

PEKKA JUHANI VAPAAOKSA.

Application No. 5/Mas/89 filed on 3rd January 1989.

## 5 Claims

A process of preparing a nacreous pigment, comprising the steps of :

(a) providing 5 to 300  $\mu$ m large mica particles, coated with a 0.01 to 0.5  $\mu$ m thick layer of titanium dioxide and/or zirconium dioxide and leached with mineral acid, and

(b) dyeing the mica particles with an organic dye as herein described.

(Compl. Specn. 22 pages;

Digs Nil)

Ind. Cl. : 201-D [GROUP—II(4)]

172934

Int. Cl.<sup>4</sup> : C 02 F 11/00.

# A BASE ELEMENT FOR PROVIDING GROWTH AREA FOR BIOMASS.

Applicant : LINDE AKTIENGESellschaft, ABRAHAM-LINCOLN-STRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors :

(1) DR. MANFRED MORPER.

(2) RAINER SCHONBERGER.

Application No. 218/Mas/89 filed March 21, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 3 Claims (No drawing)

A base element for providing growth area for biomass comprising a disk or a ring having an outside diameter of 2 to 15 cm and a height of 0.4 to 10 cm obtained from a bamboo tube cut perpendicular to its longitudinal axis.

(Compl. Specn. 7 pages)

Ind. Cl. : 172-D<sub>2</sub> D<sub>1</sub> (GROUP—XX)

172935

Int. Cl.<sup>4</sup> : D 01 H 15/02.

# A DEVICE FOR CONTROLLING THE MOVEMENT OF AN ELONGATE STRUCTURE.

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventors :

(1) DR. URS MEYER.

(2) WALTER SLAVIK.

(3) GIOGIO CITTERIO.

(4) STEFFAN HUEPPI.

Application No. 142/Mas/89; Post-dated to May 19, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

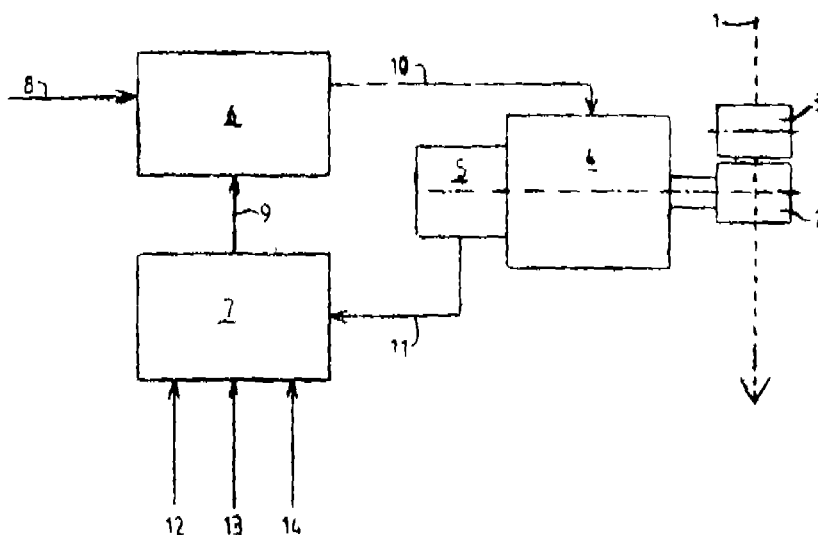
## 4 Claims

A device for controlling the movement of an elongate structure such as a yarn, a slubbing, or a sliver, comprising a movable element, coupling means for coupling the said elongate structure to the said movable element, and drive means



for the controllable movement of the said movable element consisting of a control circuit for continuous or pseudo-continuous control of the position of the said movable element during its movement.

nuous control of the position of the said movable element during its movement.



(Compl. Specn. 23 pages;

Drgs. 7 sheets)

Ind. Cl. : 99-E [GROUP—XL(4)]

172936

Int. Cl. : B 65 D 83/14,

#### A TUBULAR PLASTICS CONTAINER.

Applicant & Inventor: ROBERT HENRY ABPLANALOP, A U.S. CITIZEN OF 10 HEWITT AVENUE, BRONXVILLE, NEW YORK 10708, UNITED STATES OF AMERICA.

Application No. 163/Mas/89 filed February 28, 1989.

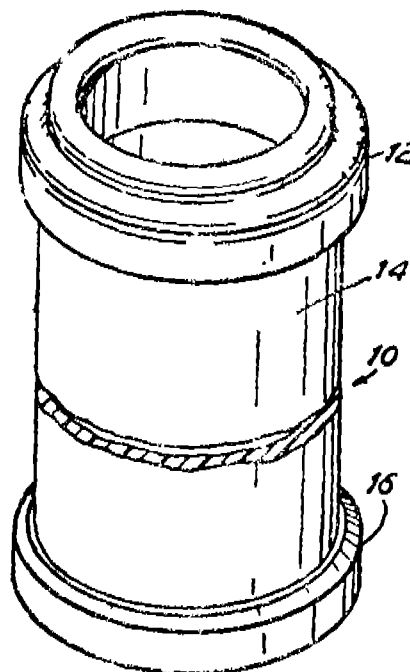
Convention date : December 16, 1988; (No. 8829480.6; UNITED KINGDOM).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 19 Claims

A tubular plastics container for containing and dispensing a fluid product contained therein under pressure, said container comprising a tubular body portion formed from a seamless open-ended, extruded tube of plastics material a pair of moulded plastics end closure members sealingly engaged on the opposite ends of the tubular body portion of the container, the one end closure member forming a closed end to the container and the other providing an aperture in which is sealed a valved dispensing member or dispensing the fluid contents of the container, when charged thereto and contained therein under pressure, the said end closure members each being sealingly engaged on its respective end of the tubular body portion by means of an annular recess formed in the end closure member and into which recess is received a respective one of the opposite open ends of the extruded seamless tube forming said body portion.

2—407GI/93



(Compl. Specn. 13 pages;

Drgs 3 sheets)

Ind. Cl. : 35-C & 152-C [GROUPS—XXV(2) & XII(2)]

172937

Int. Cl. : C 04 B 22/06.

#### THIOXOTROPIC CEMENT COMPOSITION.

Applicant: THE DOW CHEMICAL COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventor: CLARENCE R. CRABB.

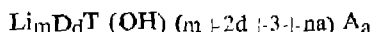
A

Application No. 182/MAS/89 filed March 3, 1989.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Madras Branch.

#### 8 Claims (No drawing)

A thixotropic cement composition comprising a hydraulic cement and from 0.1 to 7.5 percent by weight based on the total weight of the composition an additive to thicken and impart thixotropic properties to said cement composition upon the addition of water, the additive consisting essentially of a mixed metal layered hydroxide wherein the crystals of the said hydroxide are essentially monolayer of the following formula.



in which m represents the number of Li ions having a value of 0 to 1 with the proviso that m is not 0, when d is 0, D represents divalent metal ions selected from Mg, Ca, Ba, Sr, Mn, Fe, Co, Ni, Cu, Zn and mixtures thereof; d represents the number of said divalent metal ions and has a value of 0 to 4 with the proviso that when m is 0, d is at least 1; T represents a trivalent metal ion selected from Al, Ga, Cr and Fe; A represents monovalent or polyvalent anions other than OH; a represents the number of ions of the said anions A; n is the valence of the said anion A; n is from 0 to 3 and  $(m+2d+3+n)$  is equal to or greater than 3.

(Com. 14 pages).

Ind. Cl.: 102 D (GROUP—XXIX(1))

172938

Int. Cl.4: F 15 B 15/00.

#### A FLUID POWER ACTUATED FEED DEVICE.

Applicant: FESTO KG, OF RUITER STRASSE 82, 7300 ESSLINGEN AM NECKAR, GERMANY, A GERMAN COMPANY.

Inventors:

(1) KURT STOLL.

(2) HERBERT KONGETER.

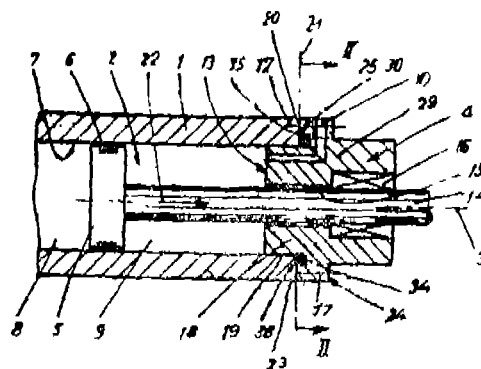
Application No. 196/MAS/89 filed March 14, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 22 Claims

A fluid power actuated feed device having a hollow guide housing (1) which is closed at one end by means of a housing end plate (4), a piston (5) disposed in a cylindrical cavity (2) of the said guide housing (1) to slide axially, the said piston is provided with a piston rod (14) extending through the said housing end plate (4) in a plate opening (15) thereof provided with a seal (16) and adapted to be connected with a load, said housing end plate (4) having on the housing side a centering part (18) in the form of a boss or extension running in the axial direction and has a part thereof extending far into the cavity (2) of the housing (1), the outer contour of the centering part (18) corresponding to the inner contour of the cavity (2) and with a seal ring (35) held in an annular groove in the said housing end plate (4) performing a sealing function between the said housing end plate (4) and the said guide housing (1), characterized in that the said housing end plate (4) is in the form of a non-machined

molding, the groove receiving the said seal ring (35) being formed by a receiving recess (34) which has been produced in the course of the non-machining production step by forming it into the said housing end plate (4), there being an abutment face (29) surrounding the said centering part (18) and directed axially on the said housing end plate (4) towards the said guide housing (1), said abutment face being engaged by a mating face (30) on the said guide housing (1), said receiving recess (34) being in the form of an axial recess formed in the said abutment face (20) surrounding the said centering part (18) and covered by the said mating face (30) of the housing (1).



(Com. 20 pages;

Drawgs 2 sheets)

Ind. Cl.: 47 E, 47 C (GROUP XXXII (1))

172939

Int. Cl.4: C 10 B 43/00.

#### A DEVICE FOR CLEANING COKE OVEN DOOR FRAMES.

Applicant: TTG MACHINERY MANUFACTURING COMPANY LTD., TTG HOUSE, 36 COLLEGE ROAD, MADRAS 600 006, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventors:

1. TENNANKUR KRISHNAMOORTHY SASIDHARAN.

2. DAKSHINAMOORTHY ARIVALAGAN.

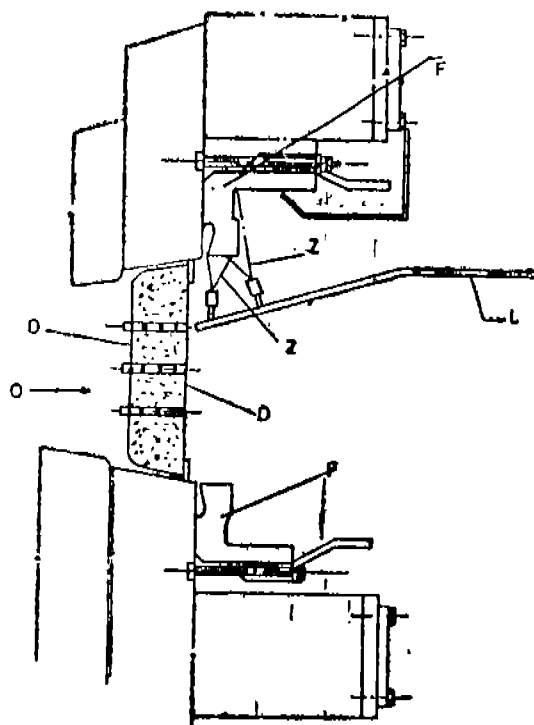
Application No. 252/MAS/89 filed on 30th March 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Madras.

#### 5 Claims

A device for cleaning coke oven door frames comprising a dummy door serving as a sealing plug for the coke oven opening, said dummy door being insertable into the said opening and retractable therefrom, when required, the said dummy door consisting of a skeletal framework bound around by a blanket of high insulation refractory material, such as, ceramic fibre (silica fibre); and a plurality of spring-loaded strips movably fitted to the dummy door along its height, whereby as the dummy door is inserted into the oven opening, the spring-loaded strips resiliently urge themselves against

the sides of the said opening, thereby providing a snug water-tight seal between the dummy door and the oven opening.



(Com. Specn. 8 pages;

Drgs. 2 sheets)

Int. Cl.: 40-E (GROUP—IV(1))

172940

Int. Cl.4: F 25 T 3/02 & 3/06.

PROCESS FOR OBTAINING CARBON MONOXIDE FROM A GAS MIXTURE OF CO AND H<sub>2</sub>.

Applicant: LINDE ATIENGSELSCHAFT, OF ABRAHAM-LINCOLN-STRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors:

(1) WOLFGANG SCHMID.

(2) HERWIG LANDES.

Application No. 265/MAS/89 filed April 6, 1989.

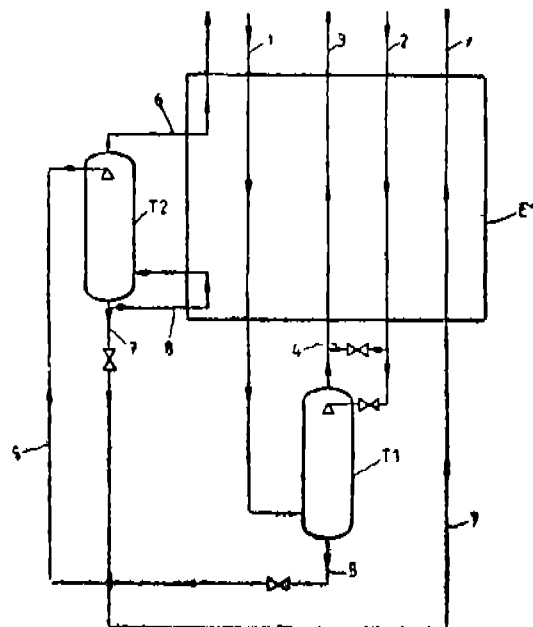
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

Process for obtaining carbon monoxide from a gas mixture of CO and H<sub>2</sub> comprising the steps of:

- (a) cooling the gas mixture by indirect heat exchanger in a heat exchanger (E1) resulting in a partial condensation of CO; feeding the partially condensed gas mixture to a nitrogen washing column (T1) in which the gas mixture is washed with liquid nitrogen which is cooled and liquefied by indirect heat exchange in the said heat exchanger (E1) and fed to the top of the said nitrogen washing column (T1) resulting in separation of a gaseous fraction with a high level of hydrogen content which is withdrawn from the top section of the said nitrogen washing column (T1) and withdrawing a liquid fraction with a high level of carbon monoxide content from the bottom section of the said nitrogen washing column (T1);
- (b) feeding the said liquid fraction having high level of carbon monoxide content into a rectification column

(T2), withdrawing an overhead fraction having a high level of hydrogen content from the top section of the said rectification column (T2) and withdrawing carbon monoxide after vaporisation by indirect heat exchange in the said heat exchanger (E1) is fed back into the rectification column (T2) as reboiling stream.



(Compl. Specn. 10 pages;

Drgs. 2 sheets)

Ind. Cl.: 35E (XXV (2))

172941

Int. Cl.: C04B 35/80

A PROCESS FOR THE PRODUCTION OF SILICON CARBIDE FIBRES (β FORM) FROM RICE HUSK.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: MAHENDRA PATEL, CHAMARTHY BUTCHI RAJU, AJAY KUMAR RAY AND AVINASH KARERA.

Application for Patent No. 590/DEL/86 filed on 8 Jul 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A process for the production of silicon carbide fibres (β-form) which comprises washing rice husk such as herein described, removing the moisture from rice husk by heating initially at a temperature in the range of 100-110°C for 1-2 hours, raising the temperature to 300-350°C maintaining the temperature of 300-350°C for 3-5 hours to volatilise organic matters, treating the heated rice husk in the presence of catalysts selected from the salts of cobalt, copper, calcium, sodium, chromium, palladium and iron compounds or their mixtures in a graphite reactor at a temperature in the range of 1400-1600°C, in an inert atmosphere, cooling the resultant mixture to produce a mixture of carbon, silica and silicon carbide fibers and heating the resultant cooled mixture at 600-750°C in the presence of air to remove carbon as CO<sub>2</sub> the resultant product being treated with HF to remove SiO<sub>2</sub> as hydrofluoro silicic acid.

(Comp. Specn. 7 pages;

Drwg Sheet Nil)

Ind. Cl.: 32 F2(b).

172942

Int. Cl.4: C07D 233/54.

A PROCESS FOR PREPARING THE 2-ALKYL-BENZIMIDAZOLE DERIVATIVES AND THEIR THERAPEUTICALLY ACCEPTABLE SALTS.

Applicant: LABORATORIOS DEL DR. ESTEVE, S.A., A SPANISH COMPANY, OF AV. VIRGEN DE MONT-SERRAT, 221-08026 BARCELONE, SPAIN.

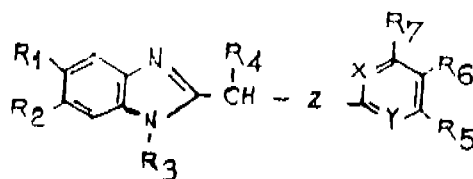
Inventors: JORDI FRIGOLA CONSTANSA & AUGUSTO COLOMBO PINOL.

Application for Patent No. 39/DEL/87 filed on 20 January 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 2 Claims

A process for preparing the 2-Alkylbenzimidazole derivatives corresponding to the general formula I of the drawings



and also their therapeutically acceptable acid addition salts, in which formula:

X denotes a nitrogen atom (N), or a carbon atom linked to another radical  $R_4$  ( $C-R_4$ );

Y denotes a nitrogen atom (N) or an N-oxide group ( $N \rightarrow O$ );

Z denotes a sulfur atom (S), a sulfinyl group ( $S \leftrightarrow Q$ ), or a sulfonyl group ( $O \leftrightarrow S \leftrightarrow O$ );

$R_1$  &  $R_2$  which may be identical or different, denote a hydrogen atom, a halogen, a linear or branched  $C_1$  to  $C_4$  lower alkyl radical, a nitro group ( $NO_2$ ), a trifluoromethyl group ( $CF_3$ ), a  $C_1$  to  $C_4$  alkoxy or alkylthio radical, a carboxyl radical ( $COOH$ ), a carboxyalkyl radical such as carboxymethyl or carboxyethyl or an alkano yl or aryloyl radical ( $-C-R_9$ );

$R_3$  denotes a hydrogen atom, a  $C_1$  to  $C_4$  lower alkyl radical or a carbonyl radical linked to another radical  $R_{10}$  ( $-C-R_{10}$ );

$R_4$  denotes a hydrogen atom or a  $C_1$  to  $C_4$  lower alkyl radical;

$R_5$  denotes a hydrogen atom, a methyl radical, a hydroxy radical or an alkoxy radical;

$R_6$  denotes a hydrogen atom, a methyl radical, a nitro radical ( $NO_2$ ) or an alkoxy radical;

$R_7$  denotes a hydrogen atom, a  $C_1$  to  $C_4$  lower alkyl radical or a  $C_1$  to  $C_4$  alkoxy radical;

$R_8$  denotes a hydrogen atom or a methyl radical;

$R_9$  denotes a  $C_1$  to  $C_4$  lower alkyl radical, a  $C_3$  to  $C_6$  cycloalkyl radical or an aryl radical such as phenyl, and

$R_{10}$  denotes a  $C_1$  to  $C_4$  lower alkyl radical or an alkoxy or aryloxy or alkylalkoxy radical,

with the exception, however, of the compound of formula I in which:

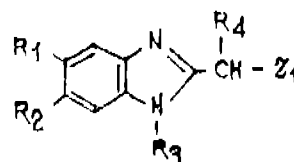
X denotes  $CH$ ,

Y denotes N,

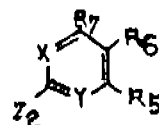
Z denotes S, and

$R_1$  to  $R_9$  denote H.

said process comprising reacting a compound of general formula II of the drawings



with a compound of general formula III of the drawings



wherein X, Y and  $R_5$  to  $R_7$  have the meanings given above and one of the two radical  $Z_1$  and  $Z_2$  consists of an -SM radical and the other is a group selected from halogens, preferably fluorine, chlorine or bromine; radicals formed by esterified groups and which are reactive, in particular acetoxy, tosyloxy or mesyloxy; or alternatively alkylthio or alkylsulfinyl groups, for example methylthio or methylsulfinyl.

(Comp. Specn. 39 pages)

Drwg 2 sheets)

Ind. Cl.: 25-A (XXV (1)), 25-B.

172943

Int. Cl.4: E04 C 1/00, B28.B 1/00.

A PROCESS FOR THE PREPARATION OF RICE HUSK ASH BRICKS.

Application: NATIONAL COUNCIL FOR CEMENT & BUILDING MATERIALS, OF M-10, SOUTH EXTENSION, PART-II, RING ROAD, NEW DELHI-110049, A SOCIETY REGISTERED UNDER THE SOCIETIES REGISTRATION ACT, 1860.

Inventors: HOSAGRAHARA CHANDRASEKHARIAN VISVESVARAYA, SUBHASH CHANDER AHLUWALIA, KRISHNA MOHAN SHARMA, RAKESH BHARGAVA, SURESHAN KRISHNAN MOOTHEDATH.

Application for Patent No. 330/Del/88 filed on 19 April 1988.

Complete Specification left on 18 Jul 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 2 Claims

A process for the preparation of rice husk ash bricks which comprises in preparing a mix of 2 to 10% by weight of rice husk ash produced by burning rice husk in a boiler to provide steam and ash, 70 to 85% by weight of waste of a thermal power station, 10 to 15% by weight of lime and 2 to 10% by weight of an additive such as gypsum, forming bricks from said mix, and curing the bricks by steam generated from said boiler.

(Provisional Specification 5 pages).

(Comp. Specn. 7 pages).

Ind. Cl.: 11C.

172944

Int. Cl.<sup>4</sup>: A 23 L 1/10, 1/105, 1/20.

STEERING PROCESS FOR THE PRODUCTION IN REDUCED TIME OF SOFTENED CORN OR SORGHUM KERNELS WITH THE SIMULTANEOUS YIELD OF PHYTIN-FREE STEEP LIQUOR.

Applicant: DORR-OLIVER INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 77 HAVEMEYER LANE, P.O. BOX 9312, STAMFORD, CONNECTICUT 06904-9312, UNITED STATES OF AMERICA AND ALKO LTD., A COMPANY ORGANISED UNDER THE LAWS OF FINLAND, SALMISAARINRANTA 7,00180, HELSINKI, FINLAND.

Inventor: ABRAHAM CARANSA, TIMO VAARA, MARTTI VAARA, MAARIT SIMELL AND ANTTI LEHMUSAAARI.

Application for Patent No. 569/DEL/1988 filed on 5 July 1988.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 10 Claims

A steeping process for the production in substantially reduced time of softened corn or sorghum kernels with the simultaneous yield of an essentially phytin-free steep liquor which comprises steeping corn or sorghum kernels in warm water containing sulfur dioxide in the presence of an enzyme preparation comprising one or more phytin-degrading enzymes of the kind described herein whereby said kernels are softened and their components rendered easily separable, the steep water remaining comprising an essentially phytin-free liquor.

(Comp. Specn. 16 pages).

Ind. Cl. 32 F2b 55E4.

172945

Int. Cl.<sup>4</sup>: A61K-31/33, C07B, 205/06.

A PROCESS FOR THE PREPARATION OF (S)-1-TERT. BUTYLDIMETHYLSILYL-4- (2-HYDROXYISOPROPYL) AZETIDIN-2-ONE.

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

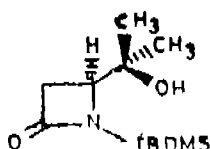
Inventors: ALLA VENKATA RAMA RAO, MUKUND KESHAO GURJAR, MADHUSUDAN NAGORAO DESHMUKH AND VIVEK BALCHANDRA, KHARE.

Application for Patent No. 510/DEL/89. filed on 13 June 1989.

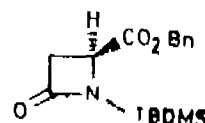
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

## 6 Claims

A new process for the preparation of (S)-1- tert. butyldimethylsilyl-4- (2-hydroxyisopropyl) azetidin-2-one of the formula (1)



shown in the drawing accompanying this specification which comprises reacting a compound (S)-1- tert. butyldimethylsilyl-4- benzyloxy carboxyl azetidin-2-one having the formula (5)



with an excess of methylmagnesium halide in dry ether at room temperature with stirring, quenching the reaction mixture with ammonium chloride solution, separating the aqueous layer by repeatedly extracting with ethyl acetate, drying the extract and purifying the dried extract by known methods.

(Comp. Specn. 6 pages)

Drwg 1 sheet)

Ind. Cl.: 77 A.

172946

Int. Cl.: C11B, 1/00.

A PROCESS FOR THE PRODUCTION OF DERIVATIVES OF NATURAL FATS AND OILS FOR THE PROCESSING OF LEATHER.

Applicant: CHEMISCHE FABRIK STOCKHAUSEN GEBH.

Inventors: HELMUT BREHM, HELMUT KLIMMER AND LEONARD STRIBOS.

Application for Patent No. 571/DEL/89 filed on 29 June 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

## 13 Claims

A process for the production of derivatives of natural fats and oils that are liquid or flowable used for the processing of leather, said process comprising carrying out oxalkylation of at least one C<sub>8</sub>-C<sub>24</sub> fatty acid ester of an aliphatic C<sub>1</sub>-C<sub>11</sub> monoalcohol or a mixture of at least C<sub>8</sub>-C<sub>21</sub> fatty acid ester of an aliphatic C<sub>1</sub>-C<sub>8</sub> monoalcohol in a mixture ratio of 1 to 99% wt. relative to the total mixture with fats at elevated temperatures in the presence of alkaline catalysts such as herein described with at least one compound containing an epoxide group such as herein described, and sulfating the thus obtained product in a manner known per se.

(Comp. Specn. 35

Drwg Sheet Nil)

Ind. Cl.: 17A3 &amp; 83A1.

172947

Int. Cl.<sup>4</sup>: A23L 2/00.

PROCESS FOR THE MANUFACTURE OF A FRUIT JUICE SWEETENER.

Applicant: FRUITSOURCE ASSOCIATES A LIMITED PARTNERSHIP ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF CALIFORNIA, UNITED STATES OF AMERICA OF 445 VICK DRIVE, SANTA CRUZ, CALIFORNIA, UNITED STATES OF AMERICA.

Inventors: CHERYL RUTH MITCHELL AND PAT RICHARD MITCHELL.

Application for Patent No. 645/DEL/89 filed on 21 Jul 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

## 5 Claims

A process for the manufacture of a fruit juice sweetener, comprising the steps of blending a hydrolyzed starch of less than 25 D.E. and having from 30 to 40% soluble solids, with a fruit juice or fruit syrup concentrate having a minimum of about 40% soluble solids, and thereby forming a liquor having a dry weight composition of about 40 to 65% complex carbohydrates, about 35 to 55% simple sugars from the fruit juice or fruit syrup concentrate and about 0 to 5% nutritional components and if desire, drying in any known manner, said liquor to obtain a sweetener having the desired solids concentration.

(Comp. Specn. 39 pages;

Drwg. Sheet Nil)

Ind. Cl. : 55D<sub>2</sub>.

172948

Int. Cl.<sup>4</sup> : A01N 43/653.

### A PROCESS FOR THE PREPARATION OF HERBICIDAL TRIAZOLINONES.

Applicant : FMC CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 2000 MARKET STREET, PHILADELPHIA, PENNSYLVANIA 19103, UNITED STATES OF AMERICA.

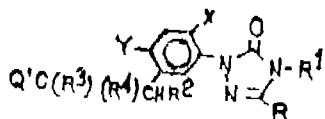
Inventor : KATHLEEN MEGAN POSS.

Application for Patent No. 667/DEL/89 filed on 27 July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

## 5 Claims

A Process for preparing a herbicidal 1-aryl-4, 5-dihydro-1, 2, 4-triazol 5(1H) ones of the formula I

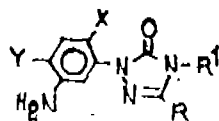


shown in the accompanying drawings wherein R is halogen or lower alkyl such as herein described, R<sup>1</sup> is haloalkyl such as herein described, X is hydrogen, halogen, alkyl, haloalkyl, alkoxy, or nitro; Y is hydrogen, halogen, alkyl, alkoxy, haloalkyl, halo lower alkylsulfanyl, or halo lower alkoxy such as herein described, R<sup>2</sup> and R<sup>3</sup> are each, independently, H or halogen; R<sup>4</sup> is H or lower alkyl such as herein described, Q<sup>1</sup> is COOH, COOZ, COOR<sup>5</sup>, CON(R<sup>6</sup>) (R<sup>7</sup>), CH, CHO or C(O)R<sup>5</sup>; Z is a salt-forming group; R<sup>5</sup> is alkyl, alkoxy, carbonylalkyl, cycloalkyl, or aralkyl; and

each of R<sup>6</sup> and R<sup>7</sup> is, independently, a radical which is alkyl, cycloalkyl, alkenyl alkynyl, alkoxy, phenyl, benzyl, or SO<sub>2</sub>R<sup>6</sup> or is one of said radical substituted by halogen, alkyl, or aralkyl;

which process is characterised by

reacting a compound of the formula III



of the drawings with a compound of the formula CH(R<sup>2</sup>)-C(R<sup>4</sup>)(Q) according to a Meerwein arylation reaction where in R<sup>2</sup>, R<sup>4</sup> and Q<sup>1</sup> are as defined above.

(Comp. Specn. 58 pages

Drwg. 2 sheet(s)

Ind. Cl. : 32 F 2a & 55 E 4

172949

Int. Cl.<sup>4</sup> : C07 C 103/30.

### AN IMPROVED PROCESS FOR THE PREPARATION OF "BENORYLATE".

Applicant : SATISH CHANDRA BISARYA, MOHALLA KHURJA GATE, CHANDAUSI, DIST. MORADABAD (UTTAR PRADESH), INDIA, AND MISS RAMA RAO, 369, 10TH MAIN 'B' ROAD, III BLOCK, JAYANAGAR, BANGALORE-560 011 (KARNATAKA) INDIA (BOTH INDIAN CITIZENS).

Inventor : SATISH CHANDRA BISARYA, MISS RAMA RAO.

Application for Patent No. 697/DEL/89 filed on 7 August 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 4 Claims

A process for the preparation of Benorylate in yields 91 (±2%) which comprises of :

(a) preparing pure acetyl Salicylyl chloride of formula 2, obtained by treating Aspirin of Formula-I with thionyl chloride in presence of catalytic quantity of pyridine, (b) preparing sodium or potassium salt of N-acetyl-p-amino phenol of formula 4, by treating N-acetyl-p-aminophenol of formula 3 with aqueous sodium or potassium hydroxide in ketonic solvent at low temperature and drying the said salt by adding desired quantity of dehydrating agent, (c) reacting acetyl salicylyl chloride as obtained in (a) with said sodium or potassium salt as obtained in (b) by stirring reaction mass for 0.5-4 hours, (d) distilling the solvent and diluting the residue with water, (e) filtering the solid product followed by washing with water and finally drying the product and (f) crystallizing if desired.

(Comp. Specn. 10 pages

Drwg. 1 sheet)

Ind. Cl. : 32 C.

172950

Int. Cl. : C08 L 5/00, C07 H 21/00.

### A PROCESS FOR THE PREPARATION OF COMPOUNDS USEFUL FOR THE TREATMENT OF DISEASES AFFECTING MACROPHAGES.

Applicant(s) : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : AMITABHA MUKHOPADHYAY, GAUTAM CHAUDHURI, SUNIL KUMAR ARORA, SHOBHA SEHGAL AND SANDIP KUMAR BASU.

Application for Patent No. 449/DEL/90 filed on 11 May 1990.

Divisional to Patent Application No. 368/DEL/88 filed on 28 Apr 1988.

Appropriate office for opposition proceeding (Rules 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 4 Claims

A process for the preparation of a compound useful for the treatment of diseases affecting macrophages which comprises:

(a) coupling the macromolecules such as polysaccharides, polynucleotides with a pharmaceutically active compound containing the functional groups of primary amino and/or carboxylic acid or containing a group which is capable of derivitisation with the above said functional group and selected from methotrexate, daunomycin, rifamycin and primaquine and the like.

(Comp) Specn 19 Pages

DrwgB. Sheets 11)

Ind Cl. 172-C1—[GROUP-XX]

172951

Int. Cl.<sup>4</sup> : D 01 G 15/12.

### A MOTE KNIFE ARRANGEMENT SUITABLE FOR FITTING ON A FLAT OF A CARDING MACHINE.

Applicant : MASCHINENFABRIK RIETTER AG, A BODY  
CORPORATE ORGANISED UNDER THE LAWS OF  
SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZER-  
LAND

Inventors (1) ROBERT DEMUTH, (2) URS STAFHLI.

Application No 117/MAS/89 filed February 14, 1989.

Appropriate office for opposition proceeding (Rules 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 27 Claims

A mote knife arrangement suitable for fitting on a flat of a carding machine said flat extending transversely to a predetermined carding direction, comprising an inclined mote knife extending in an opposite direction to said predetermined carding direction.

a steel profile defining the mote knife and a knife edge of said mote knife;

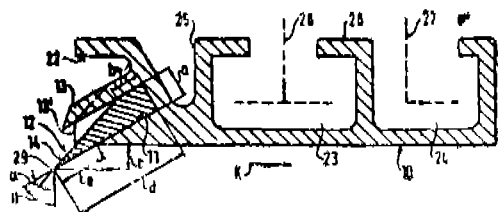
a support having a predetermined profile and longitudinal direction;

"said support containing members defining a groove extending in said longitudinal direction of said support for receiving said steel profile on a side remote from said knife edge;

said support consisting essentially of a material more readily plastically deformable than said steel profile;

said member defining said groove of said support being permanently plastically deformed and being forged into form-locking surface engagement with said steel profile on said side remote from said knife edge to retain said steel profile at said support positively and undislaceably;

said support having a structure suitable for mounting on the flat of a carding machine



(Compl Specn. 21 Pages)

Dwg. 2 Sheets)

Ind. Cl. : 107 G [XLVI(2)]

172952

INT. CL: : F 02 M 7/10.

# A VARIABLE AIR-FUEL RATIO TWO STROKE INTERNAL COMBUSTION ENGINE.

Applicant : TVS-SUZUKI LIMITED, HARITA, HOSUR  
635109, TAMIL NADU, INDIA, A COMPANY DULY  
ORGANISED AND EXISTING UNDER THE LAWS OF  
THE UNION OF INDIA.

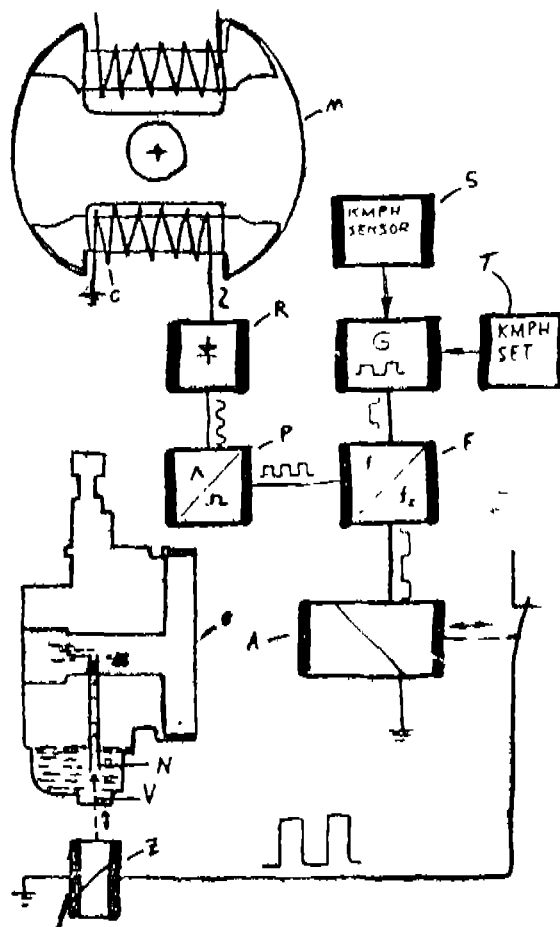
Inventor : MADURI NEELACHALAPATHY MURALI-KRISHNA

Application No 391/MAS/89 filed on 17th May 1989.

Appropriate office for opposition proceeding (Rules 4, Patent Rules, 1972), Patent Office Branch, Madras

### 3 Claims

A variable air-fuel two stroke internal combustion engine incorporating a control circuit comprising a magneto driven by the engine, the coil of said magneto being connected to a rectifier to feed the rectified output to a pulse shaper; a frequency converter for receiving the output of the pulse shaper and furnishing the desired operating frequency to an actuating relay; a power relay, operable by the actuating relay, to actuate a needle valve provided for the nozzle of the carburettor of the engine, to constrain the said valve to alternately increase and decrease the ratio of the air-fuel mixture supply to the induction duct of the engine; and a function generator controlled by a speed sensor, for disabling the frequency converter at engine speeds less than a predetermined value and thus de-actuating the said needle valve at engine speeds less than the said value.



(Compl. Specn 6 Pages.

Drwg 1 Sheet)

Ind. Cl. : 206-E-[GROUP-LVIII].

172953

Int. Cl.<sup>4</sup> : H 01 L 21/70.

## A FLEXIBLE INTEGRATED CIRCUIT.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, U.S.A., OF 3M CENTER, SAINT PAUL, MINNESOTA 55144-1000, U.S.A.

Inventor : ROBERT P WENZ.

Application No. 571/MAS/89 filed August 2, 1989.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 6 Claims

A flexible integrated circuit comprising a flexible substrate, a layer of semiconductor material on the said substrate and an encapsulant layer over the said semiconductor material wherein the thickness of the said flexible substrate and/or said encapsulant layer being dependent on the elastic moduli of the said substrate and said encapsulant layer satisfying the relation  $\sum E_i t_i y_i = 0$ , in which

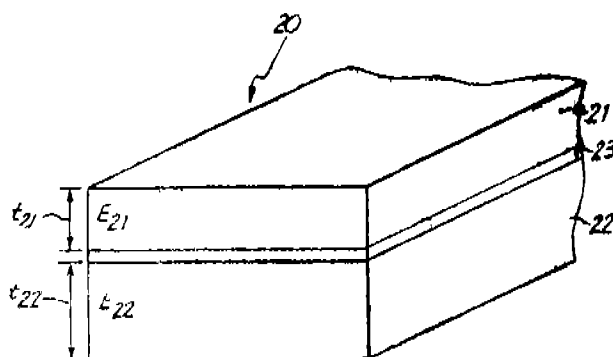
$E_i$  is the elastic modulus of layer  $i$ ;

$t_i$  is the thickness of layer  $i$ ;

$y_i$  is the distance of center of layer  $i$ ;

from a reference point; and

$\Sigma$  indicates summation over the  $i$  layers, for locating a neutral plane of the said integrated circuit near the said layer of semiconductor material to prevent damaging stress on the said layer of semiconductor material when the said integrated circuit is fixed.



(Compl. Specn. 144 Pages.

Drwgs. 2 Sheets)

Ind. Cl. : 48—A 4, 90-I [LVIII(3), XXXVI].

172954

Int. Cl.<sup>4</sup> : H 01 B 7/34.

## A TEMPERATURE RESISTANT FIBER OPTIC COMMUNICATIONS CABLE FOR PROVIDING CONTINUED TRANSMISSION OF LIGHT WITHOUT DEGRADATION.

Applicants : AMERICAN TELEPHONE AND TELEGRAPH COMPANY, OF 550 MADISON AVENUE, NEW YORK, N Y 10022, U.S.A., A CORPORATION DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A.

Inventors : KRISHNASWAMY KATHIRESAN, PARBHUBHAI D. PATEL, MANUEL R. SANTANA.

Application No. 574/MAS/89 filed on 3rd August, 1989.

Convention dated 26th August 1988; No. 575,851 (CANADA).

Appropriate office for opposition proceeding (Rules 4, Patents Rules, 1972) Patent Office Branch, Madras.

## 6 Claims

A temperature resistant fiber optic communications cable for providing continued transmission of light without degradation, notwithstanding exposure for at least 30,000 hours to a temperature of at least about 260°C or exposure for at least fifteen minutes to a temperature of at least about 1093°C and exposure to contaminants, said cable comprising :

a core which has atleast one optical fibre transmission medium;

a first inner tubular member which comprises a temperature-resistant fiberglass material and which encloses said core;

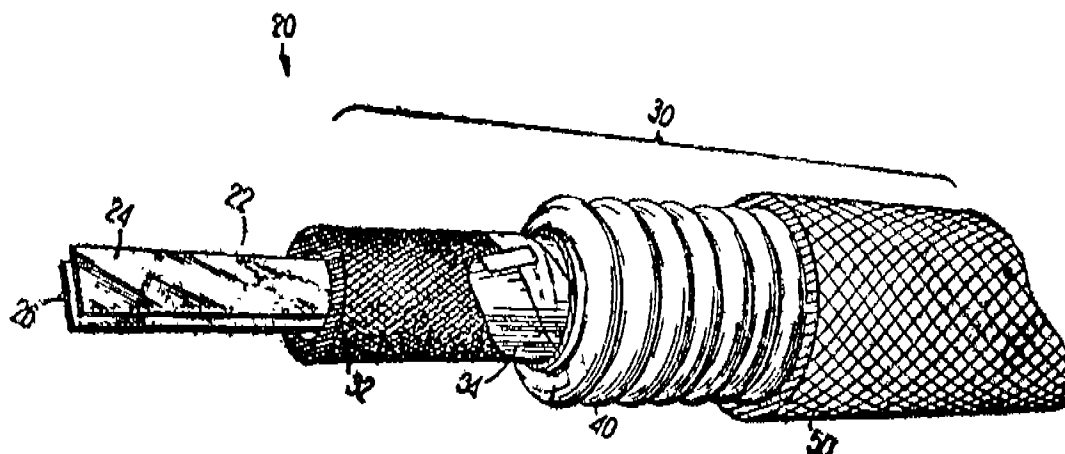
a second tubular member which encloses said inner tubular member and which has a closed circumferential periphery for preventing the ingress of contaminants; and

a third outer tubular member which comprises braided metal screen and which encloses said second tubular member, said outer tubular member providing the cable with tensile strength; wherein

the fiber transmission medium is provided with a polyimide coating; in that

the second tubular member comprises a corrugated metallic tube, whose corrugations provide the cable with flexibility; and in that

the metal of the braided metal screen is stainless steel.



(Compl. Specn. 14 Pages.

Drwgs. 2 Sheets)



Ind. Cl. : 103 [XLV(1)].

172955

Int. Cl.<sup>4</sup> : F 23 J 3/00, F 02 B 77/04.

"AN APPARATUS AND A METHOD FOR CLEANING AN INTERIOR SURFACE OF AN ARTICLE".

Applicant : CABOT CORPORATION A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE OF 950 WINTER STREET P O BOX 9073 WALTHAM MASSACHUSETTS 02254-9073 U.S.A.

Inventors : 1. KAM BOR LEE, 2. ALLAN C MORGAN 3. L. WILLARD RICHARDS, 4. DAN K. PUCKETT.

Application No. 585/MAS/89 filed on 7th August 1989.

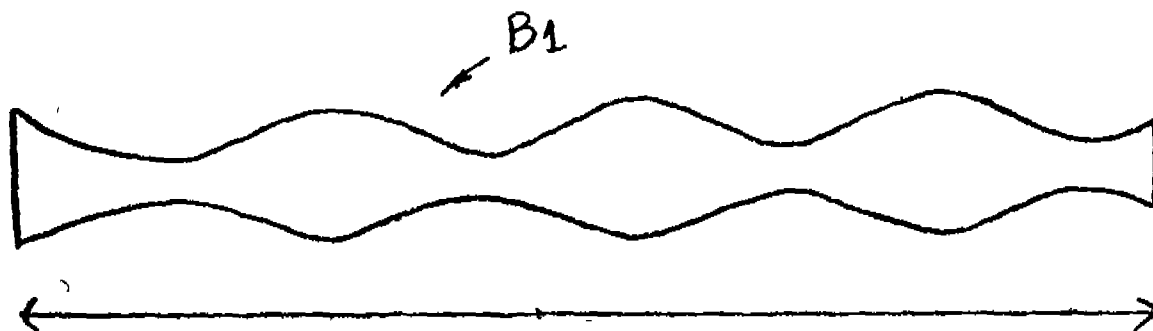
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

## 11 Claims

An apparatus for cleaning an interior surface of an article such as proceeds equipment by contacting the said surface with a shock wave which is supersonic at the point of initial contact with the surface, said apparatus comprising a chamber; admitting means for admitting air and an explosive gas to said chamber to create an explosive gas-air mixture in said chamber; control means for controlling the quantity of said explosive gas admitted into the said chamber; ignition means for igniting the said explosive gas-air mixture to produce a shock wave; timing means for timing said ignition means and said control means; and means for producing turbulence in said chamber.

(Compl. Specn. 14 Pages.

Drwgs. 2 Sheets)



(Compl. Specn. 8 Pages.

Drwg. 1 Sheet)

Ind. Cl. : 40-B [GROUP--IV(1)]

172957

Int. Cl.<sup>4</sup> : C 08 F 4/00.

A PROCESS FOR PREPARING A SOLID CATALYST COMPONENT FOR THE POLYMERIZATION OF ETHYLENE AND THE COPOLYMERIZATION OF ETHYLENE WITH  $C_3-C_{10}$  ALPHA-OLEFINS.

Applicant : ENICHEM ANIC SPA, A COMPANY ORGANIZED UNDER THE LAWS OF THE ITALIAN REPUBLIC OF VIA RUGGERO SETTIMO, 55 PALERMO, ITALY.

Inventors :

- (1) FAUSTO CALDERAZZO.
- (2) GUIDO PAMPALONI.
- (3) FRANCESCO MASI.
- (4) ANGELO MOALLI.
- (5) RENZO INVERNIZZI.

Application No. 651/MAS/89 filed on August 30, 1989.

Ind. Cl. : 27 G, L [XXVI (1)].

172956

Int. Cl.<sup>4</sup> : E 04 C 5/01.

AN IMPROVED STRUCTURAL MEMBER FOR TAKING HIGHER COMPRESSIVE/TENSILE STRESSES AND A MEASOD OF MANUFACTURING THE SAME.

Applicant : KRISHNAMURTHY HANASOGE GOW-RANGA, 1380, SRI VENKATADRI, 6TH, CROSS, BANASANKARI I STAGE, BANGALORE-560050, KARNATAKA, INDIA, INDIAN NATIONAL.

Inventor : KRISHNAMURTHY HANASOGE GOW-RANGA.

Application No. 623/MAS/89 filed on 21st August 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

## 4 Claims

An improved structural member for taking higher tensile/compressive stresses comprising a cold twisted flat metal bar of rectangular or substantially rectangular cross-section, the pitch of the twist of the cold twisted bar being 10 to 16 times the thickness of the bar before being cold twisted, and the length of the cold twisted bar being substantially the same as that of the bar before being cold twisted.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

## 5 Claims (No drawing)

A process for preparing a solid catalyst component for the polymerization of ethylene and the copolymerization of ethylene with  $C_3-C_{10}$  alpha-olefins, comprising reacting titanium tetrachloride with a vanadium arene at a temperature of between 20°C and 120°C for a time of between a few seconds (5-10 seconds) and 24 hours in accordance with the reaction scheme.

$V(\text{arene})_2 + nTiCl_4 \rightarrow VTi_n Cl_{4n} \times 2 \text{ arene}$  in which arene is benzene or mono- di or tri-alkyl substituted benzene; and n varies from 1 to 3, to obtain the solid catalyst component in the form of particles of size between 5  $\mu m$  and 20  $\mu m$  surface area between 10  $m^2/g$  and 70  $m^2/g$ , and mean pore radius between 10000  $\text{\AA}$  and 20000  $\text{\AA}$ .

(Com. 28 pages)

Int Cl 150-C&amp;E [GROUP—XI VIII(1)]

172958

Int Cl<sup>4</sup> F 16 I 21/06**A CONNECTION FITTING FOR PIPE-LIKE COMPONENTS.**

**Applicant:** FESTO KG, OF RUITER STRASSE 82, 7300 ESSLINGEN AM NECKAR, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY

**Inventors**

- (1) KURT STOLL
- (2) HANS-WALTER BRENNER
- (3) ALBRECHT WAGNER
- (4) THOMAS FEYRER.

Application No. 863 Mas/89 filed November 27, 1989

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch

**16 Claims**

A connection fitting for pipe-like components suitable for conducting a fluid, with each other or with other components, having the following features

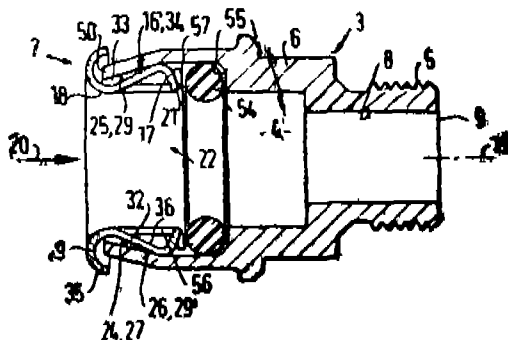
(a) the fitting has a retaining member, which has at least one connection opening in which the spigot of a tube-like component may be inserted in a detachable manner.

(b) the fitting possesses a clamping fixture having a plurality of resilient clamping elements which are distributed about the periphery of the connection opening and adapted, after insertion of the spigot, to be adjacent to the outer periphery thereof.

(c) the fitting is adapted, after insertion of the spigot, to cause the clamping elements, in a clamping position thereof on the periphery of the spigot, to engage and hold the said spigot.

(d) the clamping elements are preferably arranged in the connection opening so as to be able to move in the direction of insertion and the opposite direction so that when such elements move in the direction opposite to the direction of insertion, that is to say so as to move into clamping engagement, owing to the cooperation with a support part arranged on the retaining member they are moved essentially radially inwards towards the inserted spigot.

(e) and a releasing element is mounted on the retaining member so as to slide so that as part of its sliding motion starting from an inactive position in the direction of insertion and into an active position the clamping elements are moved into a relieved setting in which they at least engage the spigot with reduced force, if they do not become disengaged from it, the spigot then being able to be removed or such connection opening



(Comp. 24 pages;

Drwgs. 4 sheets)

Int Cl 165-C [GROUP—I XVI(7)]

172959

Int Cl<sup>4</sup> D 05 B 3/00**ZIG ZAG SEWING MACHINE AND A METHOD OF MANUFACTURING THE MACHINE**

**Applicant:** MEFINA S. A., OF BOULEVARD DE PEROLLES 5, 1700 FRIBOURG, SWITZERLAND

**Inventors:**

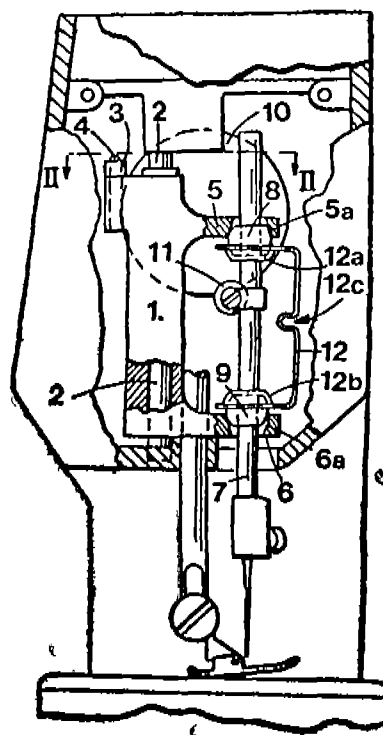
- (1) ANTONIA JIMENEZ
- (2) MICHEL COMBEPINE

Application No. 864, Mas/89 filed November 28, 1989

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch

**3 Claims**

A zig-zag sewing machine, comprising a needle bar mounted to slide in a first and second bearing associated with a first and second support, respectively, means driving the first support in a plane extending transversely to said needle bar in alternating reciprocating motion of predetermined amplitude in such a manner as to impose upon said needle bar a corresponding jogging motion, each said bearing being formed from a body having a rectilinear passage for guiding said needle bar in a sliding motion, at least a portion of a lateral surface of said bearing having a shape corresponding to that of an annular segment of a sphere, said first and second supports having a first and a second opening, respectively, said first and second openings being in alignment and offering passage to said needle bar, at least one annular section of an inner side of said first and second openings, respectively, having a profile corresponding to that of said lateral surface portion of said body of said first bearing, for said first support, and to that of said lateral surface portion of said body of said second bearing, for said second support, a side section of said first opening and a side section of said second opening facing one another and respectively comprising a first and second positioning seat for a portion of said spherical body of said first bearing, and said second bearing respectively, at least one elastic device being placed in a buttressing arrangement between said bearings resting against the bodies of both bearings respectively, and tensioned sufficiently to hold each bearing on the seat of its respective support



(Com. 14 pages;

Drwgs. 3 sheets)

Ind. Cl.: 39-P (GROUP—III)

172960

PATENT SEALED

Int. Cl.: C 01 F 1/00; J1 46

ON 10-12-1993

A PROCESS FOR THE MANUFACTURE OF BARIUM SULPHATE AS A BYPRODUCT IN THE CHLOR-ALKALI INDUSTRY.

Applicant: 'CHEMFAB ALKALIS LIMITED, 'GNANA-NANDA PLACE', KALAPET, PONDICHERRY-605 104, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA

Inventors :

- (1) K. GURUMOORTHY.
- (2) E. VENKATARAMANAN.

Application No. 898/Mas 89 filed December 7, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 2 Claims

A process for the manufacture of barium sulphate as a byproduct in the chlor-alkali industry comprising the steps of treating the return brine from the electrolyzers of the ion-exchange membrane cell plant with 20%  $\text{BaCl}_2 \cdot 2\text{H}_2\text{O}$  solution and to allow the resulting  $\text{BaS}^+$  to settle in a reactor, while pumping the desulphated brine through the top nozzle of the reactor to the saturator of the said plant; repeating the procedure until the settled  $\text{BaSO}_4$  level reaches the top nozzle of the reactor and transferring, thereafter, the accumulated precipitate to a slurry tank provided with an agitator; treating the  $\text{BaSO}_4$  precipitate in the said tank with 32%  $\text{HCl}$  to remove acid solubles; filtering the precipitate at a pressure of 2-3  $\text{kg/cm}^2$ ; drying and pulverising the precipitate before packing the same

(Com. 6 pages.

Drwg. 1 sheet)

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the Patent Office Calcutta, and its branches at Bombay, Madras, and Delhi at two rupees per copy :—

(1)

161241 161242 161243 161244 161245 161246 161247 161248  
161249 161250 161251 161252 161253 161254 161255 161256  
161257 161258 161259 161260 161261 161262 161263 161264  
161265 161266 161267 161268 161269 161270.

(2)

161271 161272 161273 161274 161275 161276 161277 161278  
161279 161280 161281 161282 161283 161284 161285 161286  
161287 161288 161289 161290 161291 161292 161293 161294  
161295 161296 161297 161298 161299 161300 161301 161302  
161303 161304 161305 161306 161307 161308 161309 161310  
161311 161312 161313 161314 161315 161316 161317 161318  
161319 161320.

(3)

161321 161322 161323 161324 161325 161326 161327 161328  
161329 161330 161331 161332 161333 161334 161335 161336  
161337 161338 161339 161340 161341 161342 161343 161344  
161345 161346 161347 161348 161349 161350 161351 161352  
161353 161354 161355 161356 161357 161358 161359 161360  
161361 161362 161363 161364 161365 161366 161367 161368  
161369 161370 161371.

171418 171420 171421\* 171422\* 171423 171424 171428\*D  
171432 171433 171437 171438 171442 171443 171445 171446  
171447 171449\*F 171462\* 171463 171464 171465 171467  
171468 171469 171470 171472 171473 171474\* 171475  
171477 171478 171480 171489 171490\*D 171492 171496\*D  
171497\*D 171498\*D 171499\*D 171500\*D.

CAL—20, MAS—18, DEL—02 &amp; BOM—00.

\*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of Sealing.

D—DRUG PATENT, F—FOOD PATENT.

## AMENDMENT PROCEEDING UNDER SECTION 57

Notice is hereby given that M/s HINDUSTAN LEVER LIMITED, of 165/166, Backbay Reclamation, Bombay-400020, Maharashtra, India a company incorporated under the Indian Companies Act, 1913, have made an application under section 57 of the Patents Act, 1970 for amendment of complete specification for Patent No. 171764 (332/BOM/1990) for 'AN IMPROVED PROCESS FOR THE PREPARATION OF PURIFIED OIL OF PLANT MATERIAL'. The amendment are by way of to delete Claim No. 18.

The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Govt. of India, Todi Estate 3rd Floor, Sub Mill Compound, Lower Panel, (West), Bombay-400013, Maharashtra on any working day during the usual official hours or copies of the same can be had on payment of usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form—30 with the full written statement within three months from the date of this notification to the Patent Office Branch, Bombay.

If full written statement of opposition is not filed with the notice of opposition it should be left within one month from the date of filing the said notice of opposition.

## LICENCE OF RIGHT UNDER SECTION 87

146545 150053 159110 162308 163247 163405 163940 163941  
164028 164217 164461 164718 164973 165035 165111 165224  
165225 165226 165245 165257 165259 165260 165270 165281  
165298 165799 165307 165308 165316 165330 165333 165342  
165343 165345 165364 165369 165383 165386 165407 165410  
165425 165429 165430 165431 165432 165434 165436 165448  
165452 165453 165458 165465 165467 165468 165472 165476  
165477 165478 165479 165480 165501 165506 165510 165513  
165518 165525 165528 165531 165539 165540 165560 165582  
165583 165589 165591 165595 165598 165609 165610 165621  
165622 165623 165625 165628 165631 165643 165645 165646  
165648 165651 165659 165687 165699 165718 165720 165730  
165731 165732 165736 165756 165760 165764 165765 165769  
165770 165776 165793 165818 165820 165843 165846 165867  
165868 165877 165884 165911 165914 165918 165919 165920  
165945 165946 165950 165953 165968 165972 165975 165980  
165985.

## RENEWAL FEES PAID

151506 151549 151664 153278 153315 153536 153577 153610  
153612 153733 154256 154485 154772 154981 155115 155771  
155428 155845 156023 156063 156261 156465 156586 156648  
156691 156745 156874 157158 157586 157758 157901 158148  
158357 158358 158394 159034 159109 159444 159641 159933  
160935 161017 161119 161471 161477 161515 161517 161551  
161793 161795 161840 161918 162130 162153 162166 162197

162330 162398 162421 162479 162639 162704 162710 162752  
 162773 162775 162800 162850 162970 163079 163332 163343  
 163358 163361 163870 163971 164341 164472 164690 164735  
 164746 164928 164949 164950 165236 165239 165282 165310  
 165392 165590 165628 165637 165800 165862 165965 165968  
 165989 166023 166050 166112 166119 166198 166215 166216  
 166344 166365 166393 166394 166462 166501 166522 166532  
 166697 166702 166707 166714 166746 166781 166910 166922  
 167244 167294 167574 167887 167963 168092 168093 168120  
 168126 168127 168229 168241 168259 168281 168283 168284  
 168285 168287 168359 168434 168564 168569 168594 168597  
 168625 168668 168691 168719 168743 168786 168787 168882  
 168883 168972 169475 169839 169842 169843 170037 170245  
 170259 170322 170323 170324 170325 170326 170327 170352  
 170494 170522 170523 170619 170631 170641 171038 171061  
 171062 171068 171096 171155 171208 171209 171212 171213  
 171214 171216 171217 171235 171306 171307 171319.

#### CESSATION OF PATENTS

162309 162320 162339 162357 162361 162366 162375 162378  
 162411 162429 162433 162437 162440 162443 162480 162482  
 162489 162499 162507 162529 162531 162555 162557 162570  
 162571 162578 162581 162582 162591 162594 162597 162602  
 162624 162630 162649 162653 162676 162688 162693 162702  
 162703 162708 162716 162720 162736 162746 162749 162759  
 162774 162783 162784 162793 162807 162811 162818 162824  
 162833 162834 162840 162844 162860 162869 156009 161390  
 162693 166431 166643 167903 168599 168954 169092

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 166381 dated the 11th August, 1986 made by Mukund Iron & Steel Works Limited on the 14th June 1993 and notified in the Gazette of India, part III, section 2 dated the 14th August 1993 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 166847 dated the 14th May 1987 made by Pennwalt Corporation on the 27th April 1992 and notified in the Gazette of India, part III, section 2 dated the 13th June 1992 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of patent No. 168176 dated the 25th March 1987 made by Keystone International Holdings Corp. on the 17th June 1993 and notified in the Gazette of India, part III, section 2 dated the 21st August 1993 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the entries is the date of registration in the entry.

Class 1. No. 165122. Peico Electronics & Electricals Limited of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400018, Maharashtra, India, Indian Co. "Tubelight fixture". December 18, 1992.

Class 1. Nos. 165169 & 165170. Velmor Home Decor Pvt Ltd. of 285, Park View, Opp. Nappo Garden, B Arjan Marg, Matunga, C. Rly., Bombay-400019. Maharashtra, India. "Basin Mixer with Aerator" January 5, 1993.

Class 1. No. 164932. Vikrambhai Dinubhai Panchal, 3rd floor, Shiv Shanker Bhuvan, Hathino Choro, Dariapur Tower, Ahmedabad-380001, Gujarat, India. "Telephone". November 3, 1992.

Class 1. No. 165251. Parker Pen (Benelux) B. V., of Parker House, 4817 BL Breda. The Netherlands. "Rollerball writing instrument". February 2, 1993.

Class 1. No. 165254. —do—. "Ball Point Pen". February 2, 1993.

Class 3. No. 165062. Colgate Palmolive Company of 300 Park Avenue, New York, New York 10022, U.S.A. "Toothbrush". November 30, 1992.

Class 3. No. 165078. Milton Plastic Ltd. of 58D, Government Industrial Estate, Charkop, Kandivli (West), Bombay-400067, Maharashtra, India. "Baby Bottle Warmer". December 9, 1992.

Class 3. No. 165079 —do— "Flask" December 9, 1992.

Class 3. No. 165294. MK Electric Ltd. of Shrubbery Road, Edmonton, London N9 0PB, UK. "One gang switch front plate" February 9, 1993.

Class 3. No. 165295. —do—. "One gang plate switch" August 19, 1992.

Class 3. No. 165735. Chinur Trust of C-37, Connaught Place, New Delhi-110001, India. "Ice Cream maker attachment". June 9, 1993.

Class 5. No. 165073. Jemson International of 24, Ashutosh Pally, Calcutta-700084, W.B., India. "Carton". Dec. 4, 1992.

Class 5. No. 165595. Candyson's Foods & Co. of Mattam North, Thattarambalam, Mavelikara-690103, Allepey, Kerala, India. "Box" April 29, 1993.

R. A. ACHARYA

Controller General of Patent Designs  
and Trade Marks